

Estimate for raising Compensatory Afforestation over degraded Forest Area over 19.066 Ha. at Mouzas : Burisol (J.L. No. 677), Mangalbandi (J.L.No.- 682), Nepura (J.L.No- 686) and Buramara(J.L.No- 688) for Proposal No. FP/WB/ROAD/30060/2017.

Sl.No.	Item of Work	Unit	Qty	Rate(Rs.)	Amount
A	Advance Soil Work				
1	Survey and demarcation the area	MD	4	271.95	1087.8
2	Cleaning the area by cutting bushes, jungles and removing the debris mechanically with JCB	Hour	10	900	9000
3	Tractor ploughing over the area	Hour	10	800	8000
4	Alignment and staking the planting pits	MD	4	271.95	1087.8
5	Cutting trench for moisture retention all along planting rows @ 4000mt x 0.30mt x 0.30mt = 360m ³	m ³	360	50	18000
6	Digging planting pits at a spacing of 2.50mt x 2.50mt of size : (0.60 +0.45) mt /2 x 0.45 mt x 0.45 mt over 1600 Nos. per ha =170.08 m ³	MD	25	271.95	6798.75
7	Supplying good earth for filling up the pits over 10% of 170.08 m ³ = 17.00 m ³	m ³	17	150	2550
8	Supplying Cow dung manure for filling up the pits over 5% of 170.08 m ³	m ³	8.5	600	5100
9	Cost of raising seedling in central nurseries for one year	each	1760	20	35200
10	Contingencies				475.65
	Sub-Total of Advance Work				87300
B	Barbed Wire Fencing over 400 Rmt per ha				
1	Digging holes of 300 mm dia upto 400 mm in ground and fixing wooden posts in the same by packing with soil etc.	each	266	30	7980
2	Supplying Sal Posts of 1.80 mt length and 150 mm dia	each	266	110	29260
3	Supplying, fitting, fixing galvanised 3 ply 12 gauge/4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire .	Mt	1200	27.95	33540
4	Contingencies				80
	Sub-Total of Barbed wire Fencing				70860
	Creation Work				
5	Pit filling including mixing properly with cow dung mannure	Man-Days	20	271.95	5439
6	Planting of seedlings in already dug and prefilled planting pits at a spacing of 2.50mt x 2.50mt, i.e. 1600 plants	Man-Days	30	271.95	8158.5
7	Cost of maintaining seedlings in Central Nurseries from April to June, i.e. three months	Man-Days	15	271.95	4079.25
8	Carriage of seedlings from nurseries to planting site	L.S.			1000

Sl.No.	Item of Work	Unit	Qty	Rate(Rs.)	Amount
9	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50gm per plant	Man-Days	16	271.95	4351.2
10	Special cleaning after three weeks of first mulching by cutting all weeds to rule out competition and ensure growth	Man-Days	14	271.95	3807.3
11	Second mulching after three weeks of first mulching by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50 gm per plant	Man-Days	14	271.95	3807.3
12	Special cleaning after three weeks of second mulching by cutting all weeds to rule out competition and ensure growth	Man-Days	12	271.95	3263.4
13	Third mulching after three weeks of Second mulching by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50 gm per plant.	Man-Days	12	271.95	3263.4
14	Cost of supplying fertilizer @ 50 gm x 1600 Nos. plants x 3 times = 240 Kg (N:P:K) including carriage upto planting site	Kg	240	30	7200
15	Cost of supplying insecticides	L.S.			500
16	Application of insecticides	Man-Days	5	271.95	1359.75
17	Cutting and maintenance of fire line during the period from January to March (three times)	Man-Days	24	271.95	6526.8
18	Contingencies	L.S			244.1
	Sub-Total of Creation Work				53000.00
	Grand Total of Creation and advance work.				
C	First Year Maintenance				
1	Vacancy filling by planting good quality planting material	Man-Days	5	271.95	1359.75
2	Special cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	Man-Days	16	271.95	4351.2
3	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50gm per plant	Man-Days	16	271.95	4351.2
4	Special cleaning after three weeks of first mulching by cutting all weeds to rule out competition and ensure growth	Man-Days	14	271.95	3807.3
5	Second mulching after three weeks of first mulching by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50 gm per plant	Man-Days	14	271.95	3807.3
6	Cost of supplying fertilizer @ 50 gm x 1600 Nos. plants x 3 times = 240 Kg (N:P:K) including carriage upto planting site	Kg	240	30	7200
7	Cutting and maintenance of fire line during the period from January to March (three times)	Man-Days	24	271.95	6526.8
8	Repair of fencing	L.S.			1000
9	Contingency				96.45
	Sub-Total of First Year Maintenance				32500.00

Sl.No.	Item of Work	Unit	Qty	Rate(Rs.)	Amount	
D	Second Year Maintenance					
1	Vacancy filling by planting good quality planting material	Man-Days	5	271.95	1359.75	
2	Cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	Man-Days	16	271.95	4351.2	
3	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth.	Man-Days	16	271.95	4351.2	
4	Cutting and maintenance of Fire line during the period from January to March (three times)	Man-Days	24	271.95	6526.8	
5	Repair of fencing	L.S.			1000	
6	Contingency	L.S.			111.05	
	Sub-Total of Second Year Maintenance				17700.00	
E	Third Year Maintenance					
1	Vacancy filling by planting good quality planting material	Man-Days	5	271.95	1359.75	
2	Cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	Man-Days	16	271.95	4351.2	
3	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth.	Man-Days	16	271.95	4351.2	
4	Cutting and maintenance of Fire line during the period from January to March (three times)	Man-Days	24	271.95	6526.8	
5	Repair of Fencing	L.S.			1000	
6	Contingency	L.S.			111.05	
	Sub-Total of Third Year Maintenance			111.05	17700.00	
F	Cost of fourth to tenth year maintenance Year Maintenance	year	7	17700	123900.00	
1	Cost of raising CA and maintenance for ten years per ha				402960.00	
2	Cost of raising CA and maintaining for three years over 19.066 Ha			19.066	402960	7682835.36
3	Contingency 2.5%					192070.88
4	Grand Total Total					7874906.244
				Or Say		7875000.00
(Rupees Seventy Eight Lakhs Seventy Five Thousand) only						

Checked

A. D. F. O.

Rabindra Nath Saha, IFS
Divisional Forest Officer,
Medinipur Division.

Divisional Forest Officer
Medinipur Division